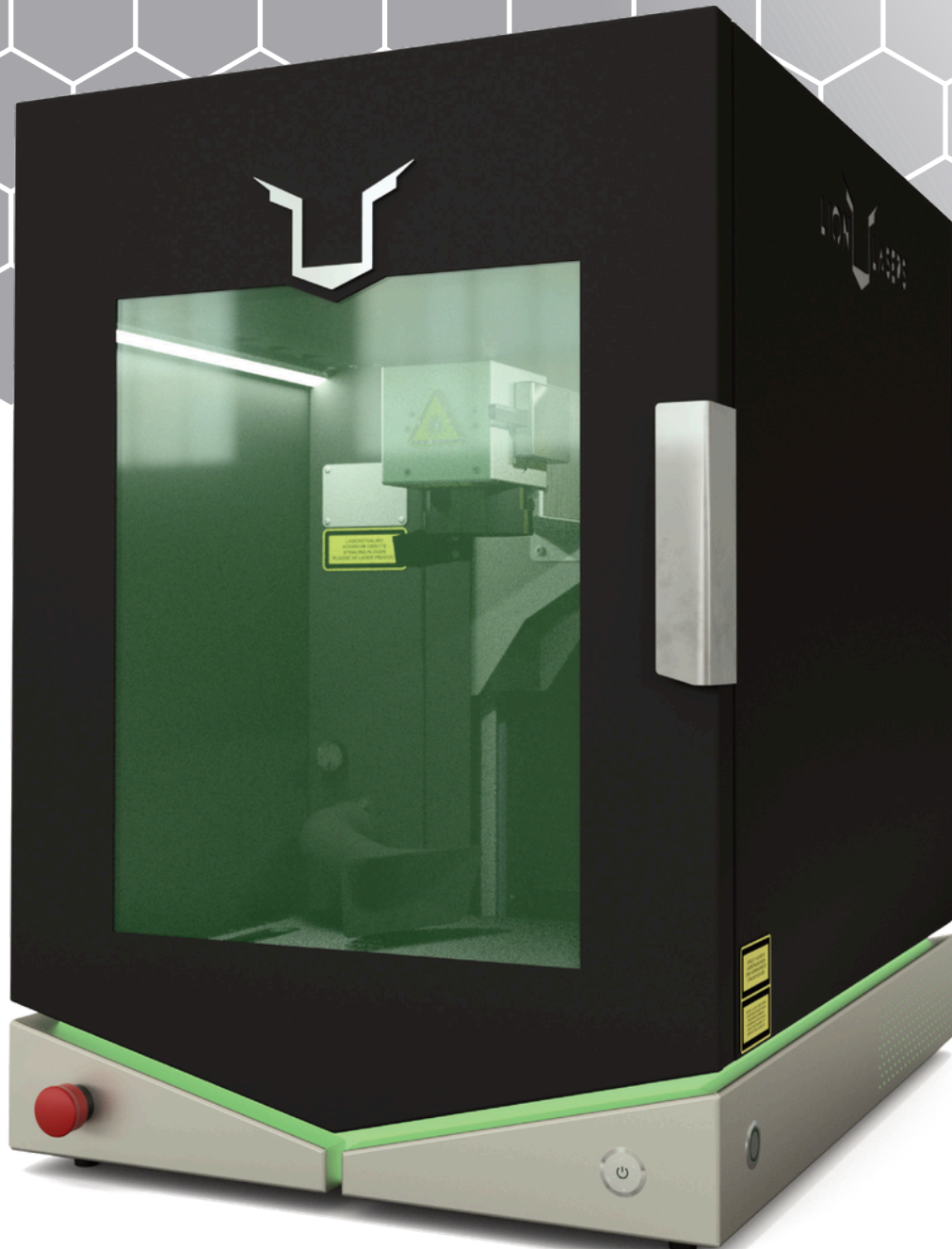




LION LASER SYSTEMS

SMART LASER ENGRAVING OF METALS AND PLASTICS

Developed and built by Lion Lasers in the Netherlands



LION ICON

LION ICON BENEFITS

For no less than 4 years, the engineers at Lion Lasers worked on a completely redesigned version of the trusted LionClassic. This new version remains the broadly deployable, lightning-fast engraving laser, but its intelligence has been increased.

For example, it automatically switches to sleep mode to save energy, but immediately becomes active again when the door is opened. The elegant light bar displays the machine's status all around. With start buttons on 2 sides and various automatic functions, laser engraving becomes a joy!

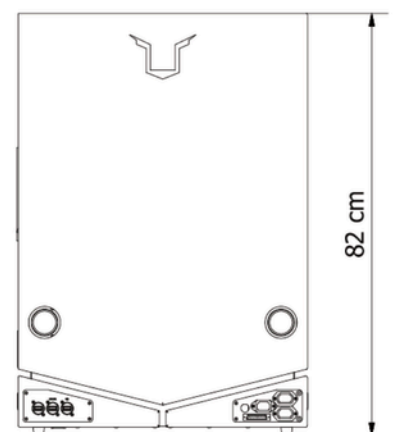
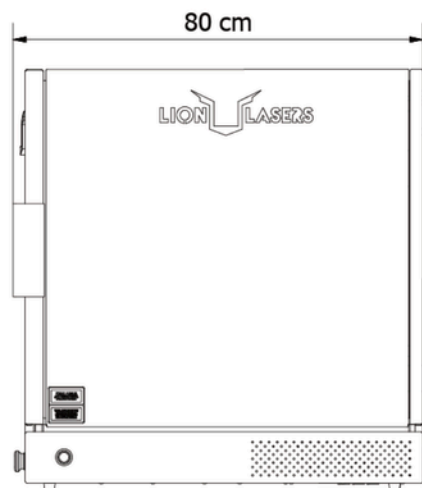
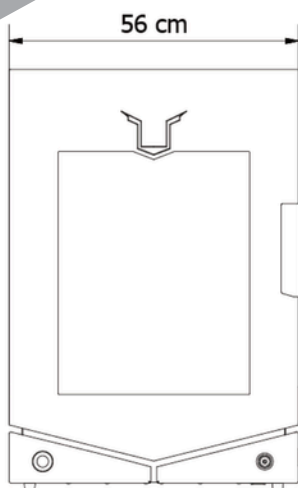
With a razor-fine laser beam, products are personalized in mere seconds. A crisp logo, a tiny data matrix code, or automatic text is made in a jiffy with the included software.

The LionIcon can be used on virtually all metals as well as many plastics. With a choice of different laser sources and many options, Lion Lasers tailors this machine to your production process.

- ✓ Universally deployable, fast engraving laser
- ✓ Automatic height adjustment
- ✓ In focus at the press of a button via autofocus
- ✓ Modern laser-safe enclosure
- ✓ User-friendly software
- ✓ Touchscreen with smart functions
- ✓ Modularly expandable
- ✓ Various accessories available
- ✓ Designed and built in the Netherlands



DIMENSIONS — LION ICON





WARRANTY AND SERVICE

At Lion Lasers, we're glad to be there for you with fast and expert service. Lion Lasers offers a 5-year warranty on the Lion Icon, subject to the provisions of our General Terms of Delivery.

We provide on-site or online training during installation. Even when this is wanted at a different time than the installation, we take care of everything for you.

To keep your machine in good condition, we offer annual maintenance through a maintenance contract.

We provide high-level support both remotely and on-site. When we can't help you further by phone, we'll gladly schedule a visit to your location.

Our laser systems are designed and built in the Netherlands. Our service staff also build the laser systems themselves and therefore have the right knowledge and skills.

We're proud of that!

You can always contact us during office hours

Lion Laser Systems B.V.

Nikkelstraat 47
4823 AE BREDA
Nederland

Phone. +31(0)76581011
Mail info@lionlasers.nl
Web www.lionlasers.nl

Lion Laser Systems B.V. is ISO-9001 certified and a member of the Koninklijke Metaalunie.

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CONFIGURATION

A large number of standard configurations are available for quick delivery.

Work area	170 x 170 mm (meerdere afmetingen mogelijk)				
Version	30W Industrial	30W Nano	60W Nano	80W Super Nano	10W UV
Laser source	Fiberlaser	Fiberlaser	Fiberlaser	Fiber Laser	UV-laser
Wavelength	1.064 nm	1.064 nm	1.064 nm	1.064 nm	355 nm
Power	30W	30W	60W	80 W	10W
Pulse duration	200 ns	2-500 ns	2-500 ns	2-500 ns	
Operation	Touchscreen interface and remote operation via Ethernet				

Together with you, we'll assess which version is suitable for your application and set it up accordingly.

ACCESSORIES



AIR FILTER UNIT

Compact industrial filter unit with three-stage filtering



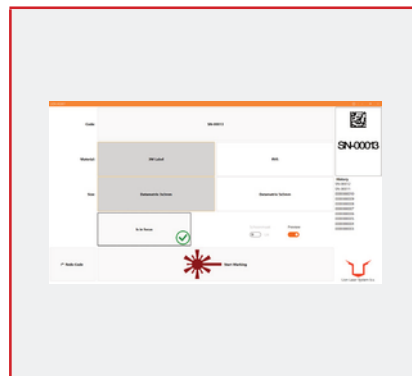
ROTARY AXIS

Rotary axis with three-jaw chuck for automatic all-around engraving of products



BASE CABINET

Steel, laser-safe cabinet on wheels with electronically secured door and space for an air filter unit



LION ASSIST INTERFACE

LionAssist interface so that engraving is accessible to everyone

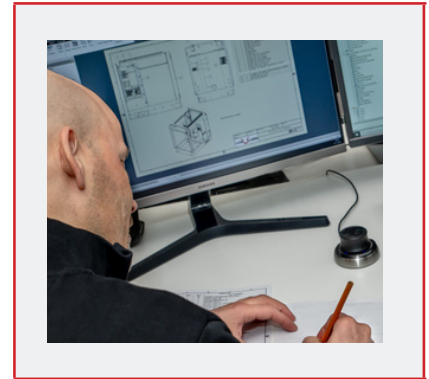
SEE WHAT THE LION ICON DOES WITH YOUR PRODUCT

You don't choose a laser system for just a moment. And a brochure shows what a laser can do — not whether it works for your application.

No specification proves that; only your own product under the laser does.

That's why we're inviting you. Bring your product to Breda or send it in.

We'll put our laser to it while you watch — your part, your challenge, solved live. No assumptions, no showroom example.



What to expect:

- Your own product, marked — not a showroom example, but your material with your logo, serial number, or data matrix.
- The exact cycle time for your part, so you can calculate for yourself what it delivers in production.
- Certainty about quality — contrast, legibility, and whether the marking stays put: wear-resistant and cleaning-resistant.
- An answer to the how question — how the laser fits into your production line.
- A tangible example to take with you — to convince your colleagues and management at a glance.

Schedule Demo →

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LION MOVE

POWERFUL SOLUTION FOR
FULLY AUTOMATED PRODUCTION PROCESS

Developed and built by Lion Lasers in the Netherlands

APPLICATION

The LionMove is a product range of laser engraving systems designed to be built into a machine or production line. Suitable for coding products both stationary and moving (on-the-fly), without adding inks or labels. A single system can code many products per second.

If larger areas need to be "printed" and this cannot be achieved within the desired speed, Lion Lasers offers heavier versions, or multiple systems can be linked together.

In collaboration with specialists, complete production lines are built with vision applications, robotics, and product-specific automation solutions.

LION MOVE BENEFITS

Engraves at high speed, moving along with the product

Robust and compact build

Can be mounted at various angles

Fully autonomous operation

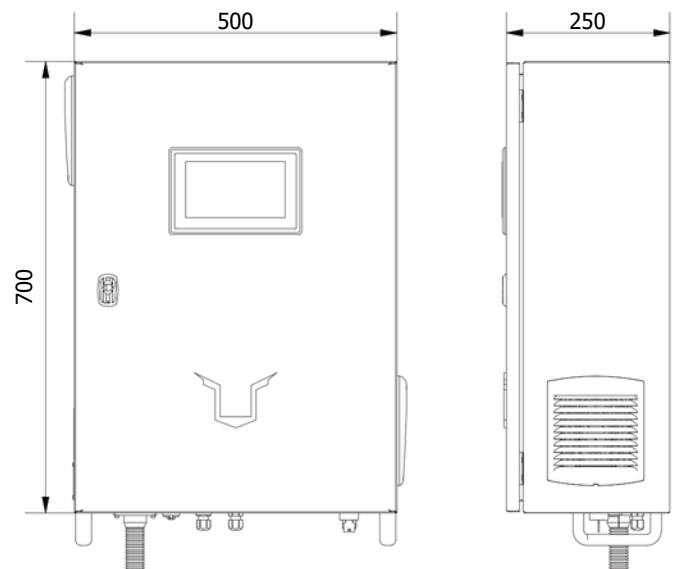
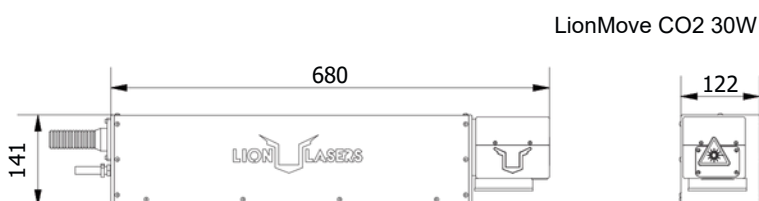
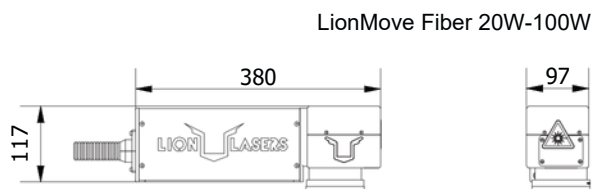
Operated via touchscreen or remotely

Important settings protected with a password

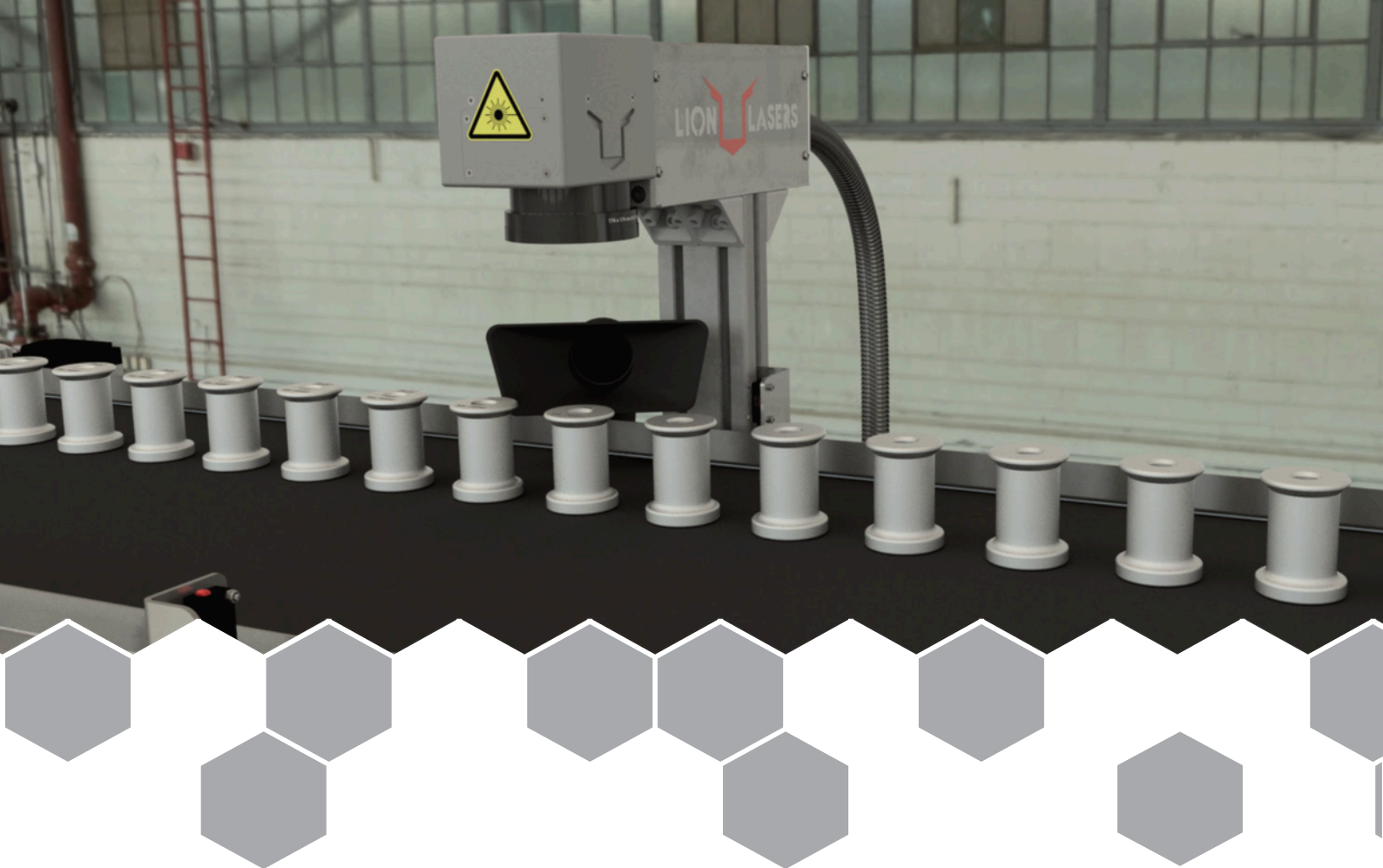
Multiple systems can be linked



DIMENSIONS — LIONMOVE FIBER AND CO2



Dimensions in millimeters.



WARRANTY

Lion Lasers offers a 2-year warranty on the Lion Move, subject to the provisions of our General Terms of Delivery and our quotation.

SERVICE

If desired, we're happy to help with integration into your production process. We provide on-site or online training during installation. Even when this is wanted at a different time than the installation, we take care of everything for you.

To keep the production process in good condition, we offer annual maintenance through flexible maintenance contracts.

We provide high-level support both remotely and on-site. When we can't help you further by phone, we'll gladly schedule a visit to your location.

Our staff have extensive knowledge of laser systems. That makes sense, of course, since we design and build our lasers ourselves in the Netherlands. We're proud of that — as proud as a lion!

You can always contact us during office hours

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metaalunie



CONFIGURATION

A large number of standard configurations are available for quick delivery.

Work area	170 x 170 mm (multiple dimensions possible)				
Uitvoering	10W UV	30W Industrial	50W Industrial	80W Nano	30W CO2
Laser source	UV-laserFiberlaser	Fiberlaser	Fiberlaser	RF-gestuurde	CO2-laser
Wavelength	355 nm	1.064 nm	1.064 nm	1.064 nm	10.640 nm
Power	10W	30W	50W	80W	30W
Pulse duration	25 ns	200 ns	200 ns	2-400 ns	modulating

In addition to our standard systems, it is possible to have a custom system made with other powers and optics to better match your applications. We can also supply laser systems for resale to your specifications, optionally featuring your own logo and colors.

Fiber lasers with adjustable (nanosecond) pulses or fixed pulse (200 ns), with average powers of 20W, 30W, 50W, 60W, 80W, 100W, 120W, and 200W

UV lasers with powers of 3W, 5W, 10W, 15W, and 20W

CO2 lasers with powers of 55W, 70W, 100W (300W peak), 200W (450W peak), and 300W (700W peak)

CONNECTIONS

Power supply	Standard: 230 VAC supply, 10 A (switched by the overhead system). Optional: switching with 24 VDC control voltage with fixed 230 VAC supply.
Main switch:	Key switch on connection panel
Data connection	USB en Ethernet
Input signals	1 digital input 5–24 V for trigger (start marking) 3 digital inputs 5–24 V for file selection of 7 files on a BCD basis 1 encoder input A/B connector M12p8 (suitable for various encoders, plug-and-play for e.g. Sick DBV50E-22RPA2000 encoder) 2 interlock inputs (potential-free contacts for fencing, etc.)
Output signals	1 changeover-contact output "Laser OK" 250V 2A 1 digital output "Laser is active" max 35V 50 mA (laser emission on) 1 digital output max 35V 50 mA "Ready for marking" (file loaded) 1 digital output max 35V 50 mA "Marking" (file being executed)

ACCESSORIES

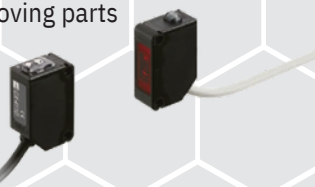
Encoder for measuring the speed of a production line (conveyor belt)

Sick encoder



Start trigger for moving parts

Panasonic Through Beam sensor



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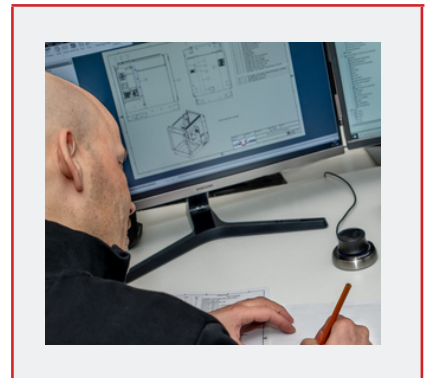
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